

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A low-pressure gas discharge lamp, which is equipped with a gas discharge vessel containing an inert gas filling as the buffer gas, and with electrodes and with means for generating and maintaining a low-pressure gas discharge, characterized in that it contains at least one tin halide.
2. (original) A low-pressure gas discharge lamp as claimed in claim 1, characterized in that it contains  $2 \times 10^{-11}$  to  $2 \times 10^{-9}$  mole/cm<sup>3</sup> of tin halides in the gas phase.
3. (currently amended) A low-pressure gas discharge lamp as claimed in ~~claims 1 and 2~~claim 1, characterized in that it contains approximately  $2 \times 10^{-10}$  mole/cm<sup>3</sup> of tin halides in the gas phase, corresponding to an operational pressure of approximately 10  $\mu$ bar.
4. (currently amended) A low-pressure gas discharge lamp as claimed in ~~any one of claims 1 to 3~~claim 1, characterized in that a wall temperature of  $T^* \pm 50$  K is set, wherein  $T^*$  is 220° C for tin chloride, 230° C for tin bromide, and 275° C for tin iodide.

5. (currently amended) A low-pressure gas discharge lamp as claimed in ~~any one of claims 1 to 4~~claim 1, characterized in that the gas pressure of the inert gas lies in the range between 1 and 5 mbar, and is preferably around 2 mbar.

6. (currently amended) A low-pressure gas discharge lamp as claimed in ~~any one of claims 1 to 5~~claim 1, characterized in that the UV radiation emitted as a result of the discharge is converted into visible radiation by means of suitable fluorescent materials.

7. (currently amended) A low-pressure gas discharge lamp as claimed in ~~any one of claims 1 to 6~~claim 1, characterized in that the walls of the discharge device comprise quartz,  $\text{Al}_2\text{O}_3$ , yttrium-aluminum garnet, or similar known materials.

8. (currently amended) A low-pressure gas discharge lamp as claimed in ~~any one of claims 1 to 7~~claim 1, characterized in that the discharge can be excited inductively or capacitively with external electrodes and a high-frequency alternating field.

9. (currently amended) A low-pressure gas discharge lamp as claimed in ~~any one of claims 1 to 8~~claim 1, characterized in that

the internal electrodes comprise conductive materials (for example tungsten or rhenium).

10. (currently amended) A low-pressure gas discharge lamp as claimed in ~~any one of claims 1 to 9~~claim 1, characterized in that it contains internal electrodes which are additionally provided with a material of low work function.